

BOBBY JINDAL
GOVERNOR



HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.:

Activity No.: PER20050002
Agency Interest No. 4832

Mr. Isaac Joseph
Vice President
PO Box 808
Houston, TX 77001-0808

RE: Part 70 Operating Permit, National Oilwell Varco, L.P. - Amelia North Coating Plant
National Oilwell, Varco L.P., Amelia, Assumption Parish, Louisiana

Dear Mr. Joseph:

This is to inform you that the permit renewal/modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2014, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this _____ day of _____, 2009

Permit No.: 0200-00027-V1

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary

CSN:AHG
c: EPA Region VI

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

National Oilwell Varco, L.P. - Amelia North Coating Plant

Agency Interest No.: 4832

National Oilwell Varco, L.P.

Amelia, Assumption Parish, Louisiana

I. Background

National Oilwell Varco, L.P., National Oilwell Varco, L.P. - Amelia North Coating Plant, an existing coating facility located two miles north on state Route 662 from the junction of U.S. Route 90 and state Route 662 east of Amelia and west of Boeuf in Assumption Parish. Construction at the facility began on January 01, 1981 under Permit No. 1487-T issued on December 23, 1980 to the original owner AMF Tuboscope, Inc. A request to add the external coating process was approved and Permit No. 1562-T was issued June, 15, 1981.

Tuboscope Vetco International acquired AMF-Tuboscope and requested a modification to Permit No. 1562-T. The modification consisted of replacing an existing external coating machine with a new more efficient system was approved under an Authorization to Construct and Approval to Operate was issued December 05, 1995.

Tuboscope Corporation merged with Varco International in 2000 to form Varco, L.P. and Tuboscope operating as a Division of Varco, L.P., submitted a request to obtain the initial Part 70 permit and to make the following changes: add a new coater to apply internal liquid coat by inserting a lance equipped with a rotating, airless spray head into the tubular piping; add a water-based external coating for the ID/OD operation; add powder coating stations; replace an external coating facility; and increase the usage of paint and mineral spirits, was approved under Permit No. 0200-00027-V0, issued March 15, 2001.

A name change for the company from Tuboscope Vetco International, Inc. to Tuboscope, A Varco, L.P. Company was approved effective October 15, 2003.

Approval for a replacement, in kind, of deteriorated parts (new firebox, oven chamber, oven control, and stack) on the Pre-bake Oven, Emission Point O-1, was approved under a letter of Response dated December 15, 2004.

An authorization to install a regenerative thermal Oxidizer, Emission Point RTO, with a control efficiency of 90%, to control emissions from the three primary liquid coating lines, Emission Points C1, C2, and C3, and from the mixing and preparing operations that support the liquid coating lines, Emission Point S3, was granted under an Authorization to Construct /Approval to Operate issued July 06, 2005.

A request to merge National Oilwell with Varco, L.P. to form National Oilwell Varco L.P. (NOV LP) was approved on May 16, 2006. Tuboscope operated as a Division of NOV LP.

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

National Oilwell Varco, L.P. - Amelia North Coating Plant

Agency Interest No.: 4832

National Oilwell Varco, L.P.

Amelia, Assumption Parish, Louisiana

National Oilwell Varco, L.P. d/b/a Tuboscope requested the use of water base coating with a different formulation than previously permitted. The request was approved under a Small Source Exemption issued March 06, 2007.

The facility currently operates under its Part 70 operating Permit No. 0200000027-V0 and also under two active small source permits: Permit No. 0200-00026-00, issued June 23, 1995 and Permit No. 0200-00037-00 granted June 20, 2000. These two permits are still active and were not incorporated into the initial Part 70 permit.

The facility also is part of a contiguous single stationary source which includes, in addition to the two small source permits mentioned above, Amelia South Coating Plant permitted separately under Permit No. 0200-00019-V1 issued December 29, 2006.

This is the Part 70 operating permit for the Amelia North Coating Plant facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by National Oilwell Varco, L.P. (NO Varco) on September 14, 2005 requesting a renewal and modification of its Part 70 operating permit. Additional information dated October 27, 2005, April 18, 2006, January 23, 2009, February 27, 2009, March 06, 2009, March 24, 2009, March 30, 2009, April 02, April 15, April 23, April 27, May 01, May 14, and May 28, 2009, were received.

III. Description

National Oilwell Varco, L.P. d/b/a Tuboscope (Varco) owns and operates the Amelia Coating Plant located on Highway 662 east of Amelia and west of Boeuf in Assumption Parish, Louisiana. The facility is an existing facility designed to apply specialty coatings to metal oilfield tubular products. The pipe coating process includes pre-baking, abrasive cleaning, internal coating, intermediate and final baking, and exterior coating.

Pipes, also referred to as joints, pass through the solvent degreasing stations first. They are then pre-baked in the thermal pickle oven (EPN O1) to remove spent coatings, drilling mud, and other residues. The ash produced there is removed in a blast lance cabinet (B1 and B2) by inserting the blast head in the pipe and cleaning the full internal length with a mixture of air and an abrasive material (aluminum oxide). The ends and threads of the pipes are then cleaned manually in an End blast Cabinet (B3 and B4). The cleaned pipes are subsequently internally coated at the liquid coating stations (C1, C2,

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

National Oilwell Varco, L.P. - Amelia North Coating Plant

Agency Interest No.: 4832

National Oilwell Varco, L.P.

Amelia, Assumption Parish, Louisiana

coating the pipes are dried in the intermediate bake ovens (O2, O3, and O4). An interior powder coat is applied within the coating system (P1 and P3) that uses a vacuum fluidized bed technology involving a completely closed loop and fabric filtration. The final bake oven (O5) completes the coating processes by polymerizing the multiple coats into one homogeneous coat. After final inspection and external coating (X1) with a rust inhibitor the finished pipes are stored in the yard before shipment to the customer.

The industrial coating section of the plant coats couplings, valves, short lengths of pipe, and other small specialty items. All small parts are cleaned at the degreasing station (S1) and the abrasive cleaning station (B5). The coatings are dried either in the Intermediate / Final Bake Oven (O8) or the Electric Coupling Oven (O7). Like the pipe, the small parts and short pipe pieces are inspected and stored in the yard before shipment to the customer. Couplings are coated with powder (P4) and heated in the coupling oven (O6) to bind the coating evenly to the surface. Finally, after receiving a corrosion inhibiting coating, the couplings are inspected and set out in the yard before shipment to the customer.

Coating equipment for pipes and other components at the Amelia Coating Plant includes two solvent degreasing stations (S1, S2), one thermal pickle oven (O1), five abrasive cleaning units (B1, B2, B3, B4, B5), three line coating stations (C1, C2, C3), three powder coating stations (P1, P3), one powder coupling coating station (P4), three intermediate bake ovens (O2, O3, O4), one final bake oven (O5), one coupling oven (O6), one intermediate/final bake oven (O8), and one exterior, one internal, and one external water-based coating stations (X1, X2, X3), general solvent usage (S3), a gasoline tank (T4), a wastewater evaporator (WWE), diesel tank T1, solvent/TK-wash Tank T2, and mineral spirits Tank T3.

Varco proposes the following actions and changes at its Amelia North Coating Plant:

1. Renewal of the facility's Part 70 permit,
2. Removal of the external coatings containing large amounts of xylenes and toluene,
3. Addition of several new coating materials which will result in the emission of small amounts of several toxic air pollutants (TAPs) not previously emitted at this facility,
4. Incorporation of all permit actions granted since the issuance of the initial Part 70 permit on March 15, 2001,
5. Incorporate the emission points from two active small source permits separately permitted (Permit No. 0200-00026-00, issued June 23, 1995 and Permit No. 0200-00037-00 granted June 20, 2000), and
6. Update the emissions using the most recent available approved methods.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

National Oilwell Varco, L.P. - Amelia North Coating Plant
Agency Interest No.: 4832
National Oilwell Varco, L.P.
Amelia, Assumption Parish, Louisiana

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	40.33	38.96	- 1.37
SO ₂	1.32	1.31	- 0.01
NO _x	38.80	38.73	- 0.07
CO	7.57	42.25	+ 34.68
VOC*	118.57	124.75	+ 6.18

Pollutant	Before	After	Change
*VOC LAC 33:III Chapter 51 Typical Toxic Air Pollutants (TAPs):			
Butyl Cellosolve Glycol ethers (Table 51.3)	4.83	9.46	+ 4.63
n-Butyl Alcohol	1.87	7.56	+ 5.69
Diethylene Glycol Butyl Ether (DGBE) Glycol ethers (Table 51.1)	0.09	0.75	+ 0.66
Formaldehyde	0.00	0.30	+ 0.30
Methanol	0.10	0.07	- 0.03
Methyl Ethyl Ketone	2.02	3.19	+ 1.17
Methyl Isobutyl Ketone	1.58	8.00	+ 6.42
Phenol	0.00	1.20	+ 1.20
Toluene	1.50	5.85	+ 4.35
Xylene	0.00	0.03	+ 0.03

Non-VOC LAC 33.III Chapter 51 Toxic Air Pollutants (TAPs):			
Ammonia	0.30	0.39	+ 0.09
Chromium VI (and compounds)	0.000	0.012	+ 0.012
Total	7.17 ¹	15.00 ²	+ 7.83 ³

¹Current permitted total of the toxic air pollutants (TAPs) emissions after installation of the thermal oxidizer.

²Proposed Cap of the facility's TAPs with a maximum of 8.000 tons/yr of hazardous air pollutants (HAPs).

³Difference between the proposed Cap of 15.00 TP and the current permitted total TAPS of 7.10 TPY.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

National Oilwell Varco, L.P. - Amelia North Coating Plant

Agency Interest No.: 4832

National Oilwell Varco, L.P.

Amelia, Assumption Parish, Louisiana

Contiguous Facilities Summary:

Varco Amelia North Coating Plant is one of two contiguous facilities individually permitted. The other facility is: Varco, L.P. – Amelia Coating Plant South (AI No. 17632) which currently operates under Permit No. 0200-00019-V1, issued December 29, 2006.

The permitted and estimated emissions from each facility, as well as the combined total emissions from both facilities, in tons per year, are presented in the table below:

National Oilwell Varco, L.P. Complex	Emissions - TPY						
	PM₁₀	SO₂	NO_X	CO	VOC	HAPs	TAPs
National Oilwell Varco, L.P. – North Amelia Coating Plant AI No. 4832; Permit No. 0200-00027-V1*	38.96	1.31	38.73	42.25	124.75	8.000 ¹	15.000 ²
National Oilwell Varco, L.P. – Amelia Coating Plant South AI No. 17632; Permit No. 0200-00019-V1	33.26	0.36	18.55	11.67	87.32	16.93 ³	58.98 ⁴
Total / Combined Emissions	72.22	1.67	57.28	53.92	212.07	24.93⁵	73.98

*Reflects the emissions of the renewal/modification submittal dated April 15, 2009.

^{1,3}Hazardous air pollutants (HAPs) site's respective Caps.

^{2,4}Toxic air pollutants (TAPs) site's respective Caps.

⁵Combined total emissions of any individual HAP from both units shall be < 10 tons per any 12 consecutive month period.

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70 and the Louisiana Air Quality Regulations and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) and New Source Performance Standards (NSPS) do not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51 because it is contiguous with Amelia Coating Plant South.

Class I, II, and III TAPs are emitted from the Amelia North Coating Plant above their Minimum Emission Rate (MER). All sources which emit any Class I or Class II TAPs for which the MER has been met or exceeded on a facility-wide basis must meet Maximum Achievable Control Technology (MACT) according to LAC 33:III.5109.A. MACT is determined to be routing emissions to the regenerative thermal oxidizer (RTO) during normal operation, and LAC 33:III.2123 when the RTO is down for maintenance and repairs.

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**National Oilwell Varco, L.P. - Amelia North Coating Plant
Agency Interest No.: 4832
National Oilwell Varco, L.P.
Amelia, Assumption Parish, Louisiana**

The facility must comply with the applicable requirements of 40 CFR 63 – Subpart HHHHHH included in the specific requirements under Phase I by January 10, 2011 and for initial notifications, recordkeeping, and reporting by the indicated dates in the requirements (November 10, 2010).

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Emissions associated with the proposed modification were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

VIII. General Condition XVII Activities

Work Activity	Schedule	Emission Rates - tons				
		PM ₁₀	SO ₂	NO _X	CO	VOC
NONE						

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

National Oilwell Varco, L.P. - Amelia North Coating Plant

Agency Interest No.: 4832

National Oilwell Varco, L.P.

Amelia, Assumption Parish, Louisiana

IX. Insignificant Activities

ID No.:	Description	Citation
T1	Diesel Tank	LAC 33:III.501.B.5.A.3

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

National Oilwell Varco, L.P. - Amelia North Coating Plant

Agency Interest No.: 4832

National Oilwell Varco, L.P.

Amelia, Assumption Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																
		5▲	509	9	11	13	15	2103	2111	2115	2123	2125	2151	22	29*	51*	53*	56
UNF1	Amelia North Coating Plant	1	3	1	1	1				1			1	3	1	1	1	2
ARE 001	C1 – Liquid Coating Station #1												1	3				1
ARE 002	C2 – Liquid Coating Station #2												1	3				1
ARE 003	C3 – Liquid Coating Station #3												1	3				1
ARE 004	S1 – Solvent Thread Cleaning												1	3	3			
ARE 005	S2 – Solvent Thread Cap Cleaning												1	3	3			
ARE 006	S3 – General Use Solvent												1	3	3			1
ARE 007	X1 – Exterior Coating #1												1	3				1
ARE 008	X2 – Internal Coating												1	3				1
ARE 009	X3 – External Coating #2												1	3				1
ARE 010	P1 – Powder Coating Station #1																	
ARE 011	P2 – Powder Coating Station #2																	
ARE 012	P3 – Powder Coating Station #3																	
ARE 013	P4 – Coupling Powder Coating Station												1					
ARE 014	I-S1 – Inspection Cleaning Station 1													1	3	3		
ARE 015	I-S2 – Inspection Cleaning Station 2													1	3	3		

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**National Oilwell Varco, L.P. - Amelia North Coating Plant**

Agency Interest No.: 4832

National Oilwell Varco, L.P.**Amelia, Assumption Parish, Louisiana****X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III.Chapter																
		5▲	509	9	11	13	15	2103	2111	2115	2123	2125	2151	22	29*	51*	53*	56
ARE 016	I-S3 – Inspection Cleaning Station 3													1	3	3		
ARE 017	I-S4 – Inspection Cleaning Station 4													1	3	3		
EQT 004	B1 – Sand Blast Cabinet #1																	
EQT 005	B1 – Sand Blast Cabinet #2																	
EQT 006	B1 – End Blast Cabinet #1																	
EQT 007	B4 – End Blast Cabinet #2																	
EQT 008	B5 – Industrial Blast Cabinet																	
EQT 009	O1 – Thermal Pickle Oven #1																	2
EQT 010	O2 – Intermediate Bake Oven #1																	2
EQT 011	O3 – Intermediate Bake Oven #2																	2
EQT 012	O4 – Intermediate Bake Oven #3																	2
EQT 013	O5 – Final Bake Oven																	2
EQT 014	O6 – Coupling Oven #1																	2
EQT 015	O8 – Intermediate Final Bake Oven #1																	2
EQT 016	RTO – Thermal Oxidizer														1		2	1
EQT 017	T2 – Solvent/TK-Wash Tank																	1

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**National Oilwell Varco, L.P. - Amelia North Coating Plant**

Agency Interest No.: 48332

National Oilwell Varco, L.P.

Amelia, Assumption Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																
		5▲	509	9	11	13	15	2103	2111	2115	2123	2125	2151	22	29*	51*	53*	56
EQT 018	T3 – Naphtha/Mineral Spirits Tank							1										
EQT 019	T4 – Gasoline Tank							1										
EQT 020	WWE- Waste Water Evaporator							1	1	3				1				
EQT 021	E1- Waste Water Evaporator E1							1	1	3								
EQT 022	E2- Waste Water Evaporator E2							1	1	3								

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**National Oilwell Varco, L.P. - Amelia North Coating Plant**

Agency Interest No.: 4832

National Oilwell Varco, L.P.**Amelia, Assumption Parish, Louisiana****X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61				40 CFR 63 NESHAP				40 CFR		
		A	K	Ka	Kb	Db	Dc	GG	KKK	A	J	V	A	MMMM	HHHHHH	XXXXXX	64	68
UNFI	Amelia North Coating Plant												1	3	1	3		
ARE 001	C1 - Liquid Coating Station #1																3	
ARE 002	C2 - Liquid Coating Station #2																3	
ARE 003	C3 - Liquid Coating Station #3																3	
ARE 004	S1 - Solvent Thread Cleaning																	
ARE 005	S2 - Solvent Thread Cap Cleaning																	
ARE 006	S3 - General Use Solvent																	
ARE 007	X1 - Exterior Coating #1																	
ARE 008	X2 - Internal Coating																	
ARE 009	X3 - External Coating #2																	
ARE 010	P1 - Powder Coating Station #1																	
ARE 011	P2 - Powder Coating Station #2																3	
ARE 012	P3 - Powder Coating Station #3																3	
ARE 013	P4 - Coupling Powder Coating Station																3	
ARE 014	I-S1 - Inspection Cleaning Station 1																	
ARE 015	I-S2 - Inspection Cleaning Station 2																	

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

National Oilwell Varco, L.P. - Amelia North Coating Plant

Agency Interest No.: 4832

National Oilwell Varco, L.P.

Amelia, Assumption Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61				40 CFR 63 NESHPAP				40 CFR		
		A	K	Ka	Kb	Db	Dc	GG	KKK	A	J	V	A	MMM	HHHHHH	XXXXXX	64	68
ARE 016	I-S3 - Inspection Cleaning Station 3																	
ARE 017	I-S4 - Inspection Cleaning Station 4																	
EQT 004	B1 - Sand Blast Cabinet #1																	
EQT 005	B1 - Sand Blast Cabinet #2																	
EQT 006	B1 - End Blast Cabinet #1																	
EQT 007	B4 - End Blast Cabinet #2																	
EQT 008	B5 - Industrial Blast Cabinet																	
EQT 009	O1 - Thermal Pickle Oven #1																	
EQT 010	O2 - Intermediate Bake Oven #1																	
EQT 011	O3 - Intermediate Bake Oven #2																	
EQT 012	O4 - Intermediate Bake Oven #3																	
EQT 013	O5 - Final Bake Oven																	
EQT 014	O6 - Coupling Oven #1																	
EQT 015	O8 - Intermediate Final Bake Oven #1																	
EQT 016	RTO - Thermal Oxidizer																	
EQT 017	T2 - Solvent/TK-Wash Tank																	

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**National Oilwell Varco, L.P. - Amelia North Coating Plant****Agency Interest No.: 4832****National Oilwell Varco, L.P.****Amelia, Assumption Parish, Louisiana****X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61				40 CFR 63 NESHAP				40 CFR	
		A	K	Ka	Kb	Dc	GG	KKK	A	J	V	A	MMM	HHHHHH	XXXXXX	64	68
EQT 018	T3 - Naphtha/Mineral Spirits Tank				3												
EQT 019	T4 - Gasoline Tank				3												
EQT 020	WWE- Waste Water Evaporator				3												
EQT 021	E1- Waste Water Evaporator E1																
EQT 022	E2- Waste Water Evaporator E2																

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
 -The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**National Oilwell Varco, L.P. - Amelia North Coating Plant****Agency Interest No.: 4832****National Oilwell Varco, L.P.****Amelia, Assumption Parish, Louisiana****XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
	LAC 33.III.509 – Prevention of Significant Deterioration	DOES NOT APPLY. The facility is not a PSD major stationary source.[LAC 33 III.509.A]
	LAC 33.III.5122	DOES NOT APPLY. The facility is not a major source of 40 CFR Part 63 hazardous air pollutants.[LAC 33: III.5122.A]
UNF 001 Facility Wide	Chemical Accident Prevention and Minimization of Consequences. [LAC 33:III. Chapter 59]	DOES NOT APPLY. Facility has less than threshold amounts of regulated substances.
	40 CFR 63 - Subpart MMMM- National Emission Standards for Hazardous Air pollutants: Surface Coating of Miscellaneous Metal and Products.	DOES NOT APPLY. The facility is neither a major source of HAP nor a part of a major source of HAP emission. [40 CFR 63 II. Summary of the Final Rule]
	40 CFR 63 – Subpart XXXXXX – National Emission Standards for Hazardous Air pollutants: Area Source Standards for Nine Metal Fabrication and Finishing Source Categories.	DOES NOT APPLY. The facility does not belong to any source of the categories listed in Table 1 of this Subpart. [40 CFR 63.11514]
	Chemical Accident Prevention Provisions [40 CFR 68]	DOES NOT APPLY. Facility has less than threshold amounts of regulated substances.
ARE 004 – ARE 006 ; S1– S3 - Solvent Thread Cleaning; Solvent Thread Cap Cleaning; and General Use Solvent	LAC 33 III.2125 – Vapor Degreasers	DOES NOT APPLY. Not an affected source. Cleaning is done manually using clothes or brushes.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**National Oilwell Varco, L.P. - Amelia North Coating Plant**

Agency Interest No.: 4832

National Oilwell Varco, L.P.

Amelia, Assumption Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
ARE 014 – ARE 017; I-S1 – I-S4 Inspection Cleaning Station Nos. 1 - 4	LAC 33 III.2125 – Vapor Degreasers LAC 33 III.2151 – Limiting Volatile Organic Compound (VOC) Emissions from Clean up Solvent Processing.	DOES NOT APPLY. Not an affected source. Cleaning is done manually using clothes or brushes. DOES NOT APPLY. The facility is in Assumption Parish. [LAC 33 III.2151.A]
ARE 001 – ARE 003; C1- C3 - Liquid Coating Station #1 - 3	LAC 33 III.2151 – Limiting Volatile Organic Compound (VOC) Emissions from Clean up Solvent Processing. 40 CFR 64 – Compliance Assurance Monitoring	DOES NOT APPLY. The facility is in Assumption Parish. [LAC 33 III.2151.A] DOES NOT APPLY. Facility took a federally enforceable condition to insure that pre-control emissions from each coating station is less than 100 tons/yr.
ARE 004 – ARE 006; S1 – S3 - Solvent Thread Cleaning, Solvent Thread Cap Cleaning, and General Use Solvent	LAC 33 III.2151 – Limiting Volatile Organic Compound (VOC) Emissions from Clean up Solvent Processing.	DOES NOT APPLY. The facility is in Assumption Parish. [LAC 33 III.2151.A]
ARE 007 – ARE 009; X1 – X3 – Exterior Coating #1, Internal Coating, and External Coating #2	LAC 33 III.2151 – Limiting Volatile Organic Compound (VOC) Emissions from Clean up Solvent Processing.	DOES NOT APPLY. The facility is in Assumption Parish. [LAC 33 III.2151.A]
EQT 009 – EQT 016; Ovens O1 –O6, O8, and Thermal Oxidizer RTO	LAC 33 III.1502 –Applicability	DOES NOT APPLY. Emits less than 5 tons/yr. [LAC 33 III.1502.A.3]
	LAC 33 III. Chapter 22 – Control of Emissions of Nitrogen Oxides (NO _x)	DOES NOT APPLY. The facility is not in the Baton Rouge Nonattainment Area and in the Region of Influence.[2201.A]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

National Oilwell Varco, L.P. - Amelia North Coating Plant
Agency Interest No.: 4832
National Oilwell Varco, L.P.
Amelia, Assumption Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT 019 – T-4 - Gasoline Tank	LAC 33 III.2131.A – Filling of Gasoline Storage Vessels	EXEMPT. Tank throughput is less than 500,000 gallons per year. [LAC 33.III.2131.D3]
EQT 020 – EQT 022; Waste Water Evaporators WWE, E1, and E2	LAC 33 III.1502 –Applicability	DOES NOT APPLY. Emits less than 5 tons/yr. [LAC III.1502.A.3]
EQT 017 – EQT 019 – T2, T3, and T4 Solvent TK-Wash Tank, Naphtha/Mineral Spirits Tank, and Gasoline Tank	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Tank capacity is less than 19,800 gallons. [40 CFR 60.110b(a)]
ARE 010 - ARE 013; P1 – P4 - Powder Coating Station #1 - #4	40 CFR 64 – Compliance Assurance Monitoring	DOES NOT APPLY. Units emit less than 100 tons/yr before control.
EQT 004 – EQT 008; B1- B5 - Sand Blast Cabinet #1, #2, End Blast Cabinet #1 and #2, and Industrial Blast Cabinet	40 CFR 64 – Compliance Assurance Monitoring	DOES NOT APPLY. Units emit less than 100 tons/yr before control.

The above table provides explanation for both the exemption status and the non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

General Information

AI ID: 4832 National Oilwell Varco LP - Amelia North Coating Plant
Activity Number: PER20050002
Permit Number: 0200-00027-V1
Air - Title V Regular Permit Renewal

Also Known As:	ID	Name	User Group	Start Date
	0200-00027	National Oilwell Varco LP - Amelia North Coating Plant	CDS Number	05-27-1993
24-1473942		Federal Tax ID	Federal Tax ID	11-21-1999
LAD980796635		Tuboscope Velco International LP - Amelia Coating Facility	Hazardous Waste Notification	11-21-1983
LAG-80436	LPDES #		LPDES Permit #	08-08-2004
WP4265	LWDPs #		LWDPs Permit #	06-25-2003
		National Oilwell Varco LP - Amelia North Coating Plant	Multimedia	01-02-2006
		Tuboscope A National Oilwell Varco LP Co - Amelia North Coating Plant	Multimedia	01-02-2006
76414		Tuboscope Velco International LP - Amelia Inspection Plant	TEMPO Merge	06-16-2002
84974		Tuboscope Velco International LP - Amelia ID/Co Cleaning Facility	TEMPO Merge	06-16-2002
70340MLCTNHWY68	TRI #		Toxic Release Inventory	07-09-2004
50000016	UST Facility ID (from UST legacy data)		UST FID #	10-12-2002
Physical Location:			Main Fax:	7137995303
Mailing Address:			Main Phone:	7137995593
Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Leon Ellison	7909 Parkwood Circle Dr Houston, TX 77036	7137955214 (WF)	Responsible Official for
	Leon Ellison	7909 Parkwood Circle Dr Houston, TX 77036	7137955100 (WP)	Responsible Official for
	Michael Geissmann	7909 Parkwood Circle Dr Houston, TX 77036	7133753700 (WP)	Responsible Official for
	Buddy Hotard	1844 Hwy 662 N Amelia, LA 77036	9856311873 (WP)	Emission Inventory Contact for
	Buddy Hotard	1844 Hwy 662 N Amelia, LA 77036	BUDDY.HOTARD@!	Emission Inventory Contact for
	Kenneth Jeck	7909 Parkwood Circle Dr Houston, TX 77036	7133753700 (WP)	Responsible Official for
	Isaac Joseph	7909 Parkwood Circle Dr Houston, TX 77036	7133753700 (WP)	Responsible Official for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	National Oilwell Varco LP	PO Drawer 1349 Amelia, LA 703401349	7137995593 (WP)	Owns
	National Oilwell Varco LP	PO Drawer 1349 Amelia, LA 703401349	7137995303 (WF)	Owns
	National Oilwell Varco LP	PO Drawer 1349 Amelia, LA 703401349	7137995593 (WP)	Air Billing Party for
	National Oilwell Varco LP	PO Drawer 1349 Amelia, LA 703401349	7137995303 (WF)	Air Billing Party for
	National Oilwell Varco LP	PO Drawer 1349 Amelia, LA 703401349	7137995303 (WF)	Emission Inventory Billing Party
	National Oilwell Varco LP	PO Drawer 1349 Amelia, LA 703401349	7137995593 (WP)	Emission Inventory Billing Party
	Tuboscope A National Oilwell Varco LP Co	PO Box 808 Houston, TX 770510808	7137995303 (WF)	Operates

Page 1 of 2

TPORD148

General Information

AI ID: 4832 National Oilwell Varco LP - Amelia North Coating Plant

Activity Number: PER20050002

Permit Number: 0200-00027-Y1

Air - Title V Regular Permit Renewal

Related Organizations:	Name	Address	Phone (Type)	Relationship
	Tuboscope A National Oilwell Varco LP Co	PO Box 808 Houston, TX 770510808	7137995593 (WP)	Operates

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit.

Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms.

Tommie Millam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant
 Activity Number: PER20050002
 Permit Number: 0200-00027-V1
 Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
National Oilwell Varco - North Amelia Coating Plant						
ARE 0001	C1 - Liquid Coating Station #1		70 (other units)	70 (other units)	Liquid Paint. Joints/hr stands for pipes/hr.	8760 hr/yr
ARE 0002	C2 - Liquid Coating Station #2		70 (other units)	70 (other units)	Liquid Paint. Joints/hr stands for pipes/hr.	8760 hr/yr
ARE 0003	C3 - Liquid Coating Station #3		70 (other units)	70 (other units)	Liquid Paint. Joints/hr stands for pipes/hr.	8760 hr/yr
ARE 0004	S1 - Solvent - Thread Cleaning				Solvent	8760 hr/yr
ARE 0005	S2 - Solvent - Thread Cap Cleaning				Solvent	8760 hr/yr
ARE 0006	S3 - General Solvent Use				Solvent	8760 hr/yr
ARE 0007	X1 - Exterior Coating #1		120 (other units)	120 (other units)	Liquid Paint. Joints/hr stands for pipes/hr.	8760 hr/yr
ARE 0008	X2 - Internal Coating		2000 (other units)	2000 (other units)	Liquid Paint. Tubulars/month.	8760 hr/yr
ARE 0009	X3 - External Coating #2		2000 (other units)	2000 (other units)	Liquid Paint. Tubulars/month.	8760 hr/yr
ARE 0010	P1 - Powder Coat #1		70 (other units)	70 (other units)	Powder Paint. Joints/hr stands for pipes/hr.	8760 hr/yr
ARE 0012	P3 - Powder Coat #3		70 (other units)	70 (other units)	Powder Paint. Joints/hr stands for pipes/hr.	8760 hr/yr
ARE 0013	P4 - Coupling Powder Coat		70 (other units)	70 (other units)	Powder Paint. Joints/hr stands for pipes/hr.	8760 hr/yr
ARE 0014	I-S1 - Inspection Cleaning Station 1				Mineral Spirits	8760 hr/yr
ARE 0015	I-S2 - Inspection Cleaning Station 2				Mineral Spirits	8760 hr/yr
ARE 0016	I-S3 - Inspection Cleaning Station 3				Mineral Spirits	8760 hr/yr
ARE 0017	I-S4 - Inspection Cleaning Station 4				Mineral Spirits	8760 hr/yr
ARE 0018	C1Alt - Liquid Coating Station #1 (RTO Downtime Scenario)				Liquid Paint. Joints/hr stands for pipes/hr.	438 hr/yr
ARE 0019	C2Alt - Liquid Coating Station #2 (RTO Downtime Scenario)				Liquid Paint. Joints/hr stands for pipes/hr.	438 hr/yr
ARE 0020	C3Alt - Liquid Coating Station #3 (RTO Downtime Scenario)				Liquid Paint. Joints/hr stands for pipes/hr.	438 hr/yr
ARE 0021	S3Alt - General Solvent Use (RTO Downtime Scenario)				Solvent	8760 hr/yr
EQT 0004	B1 - Blast Cabinet #1		40 (other units)	40 (other units)	Aluminum Oxide. Joints/hr stands for pipes/hr.	8760 hr/yr
EQT 0005	B2 - Blast Cabinet #2		40 (other units)	40 (other units)	Aluminum Oxide. Joints/hr stands for pipes/hr.	8760 hr/yr
EQT 0006	B3 - End Blast Cabinet #1		40 (other units)	40 (other units)	Aluminum Oxide. Joints/hr stands for pipes/hr.	8760 hr/yr
EQT 0007	B4 - End Blast Cabinet #2		40 (other units)	40 (other units)	Aluminum Oxide. Joints/hr stands for pipes/hr.	8760 hr/yr
EQT 0008	B5 - Industrial Blast Cabinet		40 (other units)	40 (other units)	Aluminum Oxide. Joints/hr stands for pipes/hr.	8760 hr/yr
EQT 0009	O1 - Thermal Pickle Oven #1			21 MM BTU/hr	Natural Gas	8760 hr/yr
EQT 0010	O2 - Intermediate Bake Oven #1			4.5 MM BTU/hr	Natural Gas	8760 hr/yr

INVENTORIES

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant
Activity Number: PER20050002
Permit Number: 0200-00027-V1
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
National Oilwell Varco - North Amelia Coating Plant						
EQT 0011	O3 - Intermediate Bake Oven #2		4.5 MM BTU/hr	4.5 MM BTU/hr	Natural Gas	8760 hr/yr
EQT 0012	O4 - Intermediate Bake Oven #3		4.5 MM BTU/hr	4.5 MM BTU/hr	Natural Gas	8760 hr/yr
EQT 0013	O5 - Final Bake Oven		7 MM BTU/hr	7 MM BTU/hr	Natural Gas	8760 hr/yr
EQT 0014	O6 - Coupling Oven		2 MM BTU/hr	2 MM BTU/hr	Natural Gas	8760 hr/yr
EQT 0015	O8 - Intermediate/Final Bake Oven #1		2 MM BTU/hr	2 MM BTU/hr	Natural Gas	8760 hr/yr
EQT 0016	RTO - Thermal Oxidizer		6 MM BTU/hr	6 MM BTU/hr	Natural Gas	8760 hr/yr
EQT 0017	T2 - Solvent/K-Wash Tank	1000 gallons	24000 gallons/yr	24000 gallons/yr	Solvent	8760 hr/yr
EQT 0018	T3 - Naphtha/Mineral Spirits Tank	500 gallons	24000 gallons/yr	24000 gallons/yr	Solvent	8760 hr/yr
EQT 0019	T4 - Gasoline Tank	500 gallons	50000 gallons/yr	50000 gallons/yr	Gasoline	8760 hr/yr
EQT 0020	WWE - Waste Water Evaporator		.375 MM BTU/hr	.375 MM BTU/hr	Natural Gas	8760 hr/yr
EQT 0021	E1 - Waste Water Evaporator E1		.375 MM BTU/hr	.375 MM BTU/hr	Natural Gas	8760 hr/yr
EQT 0022	E2 - Waste Water Evaporator E2		.375 MM BTU/hr	.375 MM BTU/hr	Natural Gas	8760 hr/yr
EQT 0023	O2Alt - Intermediate Bake Oven #1(RTO Downtime Scenario)		4.5 MM BTU/hr	4.5 MM BTU/hr	Natural Gas	438 hr/yr
EQT 0024	O3Alt - Intermediate Bake Oven #2 (RTO Downtime Scenario)		4.5 MM BTU/hr	4.5 MM BTU/hr	Natural Gas	438 hr/yr
EQT 0025	O4Alt - Intermediate Bake Oven #3 (RTO Downtime Scenario)		4.5 MM BTU/hr	4.5 MM BTU/hr	Natural Gas	438 hr/yr
Stack Information:						
ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)
National Oilwell Varco - North Amelia Coating Plant						
ARE 0001	C1 - Liquid Coating Station #1					Temperature (°F)
ARE 0002	C2 - Liquid Coating Station #2					
ARE 0003	C3 - Liquid Coating Station #3					
ARE 0004	S1 - Solvent - Thread Cleaning					
ARE 0005	S2 - Solvent - Thread Cap Cleaning					
ARE 0006	S3 - General Solvent Use					
ARE 0007	X1 - Exterior Coating #1					
ARE 0008	X2 - Internal Coating					
ARE 0009	X3 - External Coating #2					
ARE 0010	P1 - Powder Coat #1					
ARE 0012	P3 - Powder Coat #3					
ARE 0013	P4 - Coupling Powder Coat					

INVENTORIES

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant
 Activity Number: PER20050002
 Permit Number: 0200-00027-V1
 Air - Title V Regular Permit Renewal

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
National Oilwell Varco - North Amelia Coating Plant							
ARE 0014	I-S1 - Inspection Cleaning Station 1						
ARE 0015	I-S2 - Inspection Cleaning Station 2						
ARE 0016	I-S3 - Inspection Cleaning Station 3						
ARE 0017	I-S4 - Inspection Cleaning Station 4						
ARE 0018	C1Alt - Liquid Coating Station #1 (RTO Downtime Scenario)						
ARE 0019	C2Alt - Liquid Coating Station #2 (RTO Downtime Scenario)						
ARE 0020	C3Alt - Liquid Coating Station #3 (RTO Downtime Scenario)						
ARE 0021	S3Alt - General Solvent Use (RTO Downtime Scenario)						
EQT 0004	B1 - Blast Cabinet #1	68	20000	4.9	25	80	
EQT 0005	B2 - Blast Cabinet #2	68	20000	4.9	25	80	
EQT 0006	B3 - End Blast Cabinet #1	53.1	10000	3.14	25	80	
EQT 0007	B4 - End Blast Cabinet #2	53.1	10000	3.14	25	80	
EQT 0008	B5 - Industrial Blast Cabinet	64.1	10000	2.6	25	80	
EQT 0009	O1 - Thermal Pickle Oven #1	59	3500	1		35	650
EQT 0010	O2 - Intermediate Bake Oven #1						
EQT 0011	O3 - Intermediate Bake Oven #2						
EQT 0012	O4 - Intermediate Bake Oven #3						
EQT 0013	O5 - Final Bake Oven	28	2500	1.5		35	450
EQT 0014	O6 - Coupling Oven	56	2500	.75		35	400
EQT 0015	O8 - Intermediate/Final Bake Oven #1	42	2500	1		35	400
EQT 0016	RTO - Thermal Oxidizer	51.8	49471	4.5		36	275
EQT 0017	T2 - Solvent/TK-Wash Tank						12.3
EQT 0018	T3 - Naphtha/Mineral Spirits Tank						6.3
EQT 0019	T4 - Gasoline Tank	0	.07	.83		32	450
EQT 0020	WWE - Waste Water Evaporator						
EQT 0021	E1 - Waste Water Evaporator E1						
EQT 0022	E2 - Waste Water Evaporator E2						
EQT 0023	O2Alt - Intermediate Bake Oven #1(RTO Downtime Scenario)	58	3500	1		45	250
EQT 0024	O3Alt - Intermediate Bake Oven #2 (RTO Downtime Scenario)	58	3500	1		45	250
EQT 0025	O4Alt - Intermediate Bake Oven #3 (RTO Downtime Scenario)	58	3500	1		45	250

INVENTORIES

AJ ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant
 Activity Number: PER20050002
 Permit Number: 0200-00027-V1
 Air - Title V Regular Permit Renewal

Relationships:

ID	Description	Relationship	ID	Description
ARE 0001	C1 - Liquid Coating Station #1	Controlled by	EQT 0016	RTO - Thermal Oxidizer
ARE 0002	C2 - Liquid Coating Station #2	Controlled by	EQT 0016	RTO - Thermal Oxidizer
ARE 0003	C3 - Liquid Coating Station #3	Controlled by	EQT 0016	RTO - Thermal Oxidizer
ARE 0005	S3 - General Solvent Use	Controlled by	EQT 0016	RTO - Thermal Oxidizer
EQT 0010	O2 - Intermediate Bake Oven #1	Controlled by	EQT 0016	RTO - Thermal Oxidizer
EQT 0011	O3 - Intermediate Bake Oven #2	Controlled by	EQT 0016	RTO - Thermal Oxidizer
EQT 0012	O4 - Intermediate Bake Oven #3	Controlled by	EQT 0016	RTO - Thermal Oxidizer

Subject Item Groups:

ID	Group Type	Group Description
CRG 0001	Common Requirements Group	P134 - Powder Coating Stations P1, P3, and P4 Baghouses Reqs.
CRG 0002	Common Requirements Group	O-1568 - Ovens O1, O5, O6, O8, and Evaporators E1 and E2 Reqs.
CRG 0003	Common Requirements Group	B1-5 - Blasting Stations Baghouses
CRG 0004	Common Requirements Group	S12-IS1-4 - Cleaning/Degreasening Reqs
CRG 0006	Common Requirements Group	C1-3 - Coating Stations Reqs
CRG 0007	Common Requirements Group	X1-3 - Exterior, Internal, External Coating Reqs
CRG 0008	Common Requirements Group	Alt O-234 - Ovens O2 Alt, O3 Alt, and O4 Alt, Reqs.
GRP 0001	Equipment Group	BLASTCAP - Emission Cap for Blasting (B1- B5)
GRP 0002	Equipment Group	COATCAP - Emission (VOC) Cap for Surface Coating Emissions Cap (C1-C3; X1-X3; S1-S3; RTO)
GRP 0003	Equipment Group	POWCAP - Emission CAP for Powder Coating P1, P3 and P4
GRP 0004	Equipment Group	OVENCAP - Emission Cap for Ovens O1, O5, O6 and O8
SCN 0001	Alternate Operating Scenario	Alt-1 - Coating and cleaning during the RTO down time
UNF 0001	Unit or Facility Wide	NO Varco - N Amelia - National Oilwell Varco - North Amelia Coating Plant

Group Membership:

ID	Description	Member of Groups
ARE 0001	C1 - Liquid Coating Station #1	CRG0000000006, GRP0000000002
ARE 0002	C2 - Liquid Coating Station #2	CRG0000000006, GRP0000000002
ARE 0003	C3 - Liquid Coating Station #3	CRG0000000006, GRP0000000002
ARE 0004	S1 - Solvent - Thread Cleaning	CRG0000000004, GRP0000000002
ARE 0005	S2 - Solvent - Thread Cap Cleaning	CRG0000000004, GRP0000000002
ARE 0006	S3 - General Solvent Use	GRF0000000002
ARE 0007	X1 - Exterior Coating #1	CRG0000000007, GRP0000000002
ARE 0008	X2 - Internal Coating	CRG0000000007, GRP0000000002
ARE 0009	X3 - External Coating #2	CRG0000000007, GRP0000000002
ARE 0010	P1 - Powder Coat #1	CRG0000000001, GRP0000000003
ARE 0012	P3 - Powder Coat #3	CRG0000000001, GRP0000000003

INVENTORIES

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant
 Activity Number: PER20050002
 Permit Number: 0200-00027-V1
 Air - Title V Regular Permit Renewal

Group Membership:

ID	Description	Member of Groups
ARE 0013	P4 - Coupling Powder Coat	CRG0000000001, GRP0000000003
ARE 0014	I-S1 - Inspection Cleaning Station 1	CRG0000000004
ARE 0015	I-S2 - Inspection Cleaning Station 2	CRG0000000004
ARE 0016	I-S3 - Inspection Cleaning Station 3	CRG0000000004
ARE 0017	I-S4 - Inspection Cleaning Station 4	CRG0000000004
ARE 0018	C1AH - Liquid Coating Station #1 (RTO Downtime Scenario)	SCN0000000001
ARE 0019	C2AH - Liquid Coating Station #2 (RTO Downtime Scenario)	SCN0000000001
ARE 0020	C3AH - Liquid Coating Station #3 (RTO Downtime Scenario)	SCN0000000001
ARE 0021	S3AH - General Solvent Use (RTO Downtime Scenario)	SCN0000000001
EOT 0004	B1 - Blast Cabinet #1	CRG0000000003, GRP0000000001
EOT 0005	B2 - Blast Cabinet #2	CRG0000000003, GRP0000000001
EOT 0006	B3 - End Blast Cabinet #1	CRG0000000003, GRP0000000001
EOT 0007	B4 - End Blast Cabinet #2	CRG0000000003, GRP0000000001
EOT 0008	B5 - Industrial Blast Cabinet	CRG0000000003, GRP0000000001
EOT 0009	O1 - Thermal Pickle Oven #1	CRG0000000002, GRP0000000004
EOT 0013	O5 - Final Bake Oven	CRG0000000002, GRP0000000004
EOT 0014	O6 - Coupling Oven	CRG0000000002, GRP0000000004
EOT 0015	O8 - Intermediate/Final Bake Oven #1	CRG0000000002, GRP0000000004
EOT 0016	RTO - Thermal Oxidizer	GPF0000000002
EOT 0017	T2 - Solvent/WK-Wash Tank	GPF0000000002
EOT 0021	E1 - Waste Water Evaporator E1	CRG0000000002
EOT 0022	E2 - Waste Water Evaporator E2	CRG0000000002
EOT 0023	O2AH - Intermediate Bake Oven #1 (RTO Downtime Scenario)	SCN0000000001
EOT 0024	O3AH - Intermediate Bake Oven #2 (RTO Downtime Scenario)	SCN0000000001
EOT 0025	O4AH - Intermediate Bake Oven #3 (RTO Downtime Scenario)	SCN0000000001
SCN 0001	All-1 - Coating and cleaning during the RTO down time	GPF0000000002

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
1100	1100 Coating, Engraving, and Allied Services: A) 10 or More Employees		

SIC Codes:

3479	Metal coating and allied services	UNF 001
------	-----------------------------------	---------

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant
 Activity Number: PER20050002
 Permit Number: 0200-00027-V1
 Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lbs/hr	Max lbs/hr	Tons/Year	Avg lbs/hr	Max lbs/hr	Tons/Year	Avg lbs HR	Max lbs/hr	Tons/Year	Avg lbs/hr	Max lbs/hr	Tons/Year	Avg lbs/hr	Max lbs/hr	Tons/Year
National Oilwell Varco - North Amelia Coating Plant															
ARE 0001 C1							0.32								7.31
ARE 0002 C2							0.46								8.01
ARE 0003 C3							0.25								8.01
ARE 0004 S1															9.52
ARE 0005 S2															9.52
ARE 0006 S3															6.71
ARE 0007 X1															92.20
ARE 0008 X2															14.50
ARE 0009 X3															4.40
ARE 0010 P1							1.00								
ARE 0012 P3							1.00								
ARE 0013 P4							1.00								
ARE 0014 L51															2.79
ARE 0015 L52															2.79
ARE 0016 L53															4.49
ARE 0017 L54															4.49
ARE 0018 C1A1										0.32					73.08
ARE 0019 C2A1											0.46				80.06
ARE 0020 C3A1											0.25				80.06
ARE 0021 S2A1															67.10
EQT 0004 B1															
EQT 0005 B2															
EQT 0006 B3															

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant
Activity Number: PER20050002
Permit Number: 0200-00027-V1
Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
National Oilwell Varco - North Amelia Coating Plant															
EQT 0007 B4										2.25					
EQT 0008 B5										2.25					
EQT 0009 C1		11.87			3.57			0.15		0.12			13.65		
EQT 0013 C5	0.56			1.19			0.05		0.04			0.04			
EQT 0014 C6	0.16			0.34			0.01		0.01			0.01			
EQT 0015 C8	0.16			0.34			0.01		0.01			0.01			
EQT 0016 R10	1.56	1.56	6.84	3.33	3.33	14.52	0.14	0.14	0.11	0.11	0.48		15.13		
EQT 0017 T2													1.84		
EQT 0018 T3													0.01	2.45	0.04
EQT 0019 T4													0.02	8.58	0.09
EQT 0020 WWE	0.03	0.03	0.13	0.04	0.04	0.16	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.01	0.01
EQT 0021 E1	0.03	0.03	0.09	0.04	0.04	0.11	<0.01	<0.01	<0.01	0.01	<0.01	0.01	0.77	10.18	2.24
EQT 0022 E2	0.03	0.03	0.09	0.04	0.04	0.11	<0.01	<0.01	<0.01	0.01	<0.01	0.01	1.24	16.39	3.60
EQT 0023 C2AN	0.36	0.36	0.08	0.77	0.77	0.17	0.03	0.03	0.01	0.03	0.03	0.01	0.02	0.02	0.01
EQT 0024 C3AN	0.36	0.36	0.08	0.77	0.77	0.17	0.03	0.03	0.01	0.03	0.03	0.01	0.02	0.02	0.01
EQT 0025 C4AN	0.36	0.36	0.08	0.77	0.77	0.17	0.03	0.03	0.01	0.03	0.03	0.01	0.02	0.02	0.01
GRP 0001 BLASTCAP							11.25	11.25	33.67						
GRP 0002 COATCAP							0.86	0.86	1.25				62.07		90.62
GRP 0003 POWCAP							2.74	2.74	4.00						
GRP 0004 CVENCAP	24.04		35.10	16.32	23.83	6.69		1.01	0.55		0.81	4.72		6.89	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

Emission rates Notes:

ARE 0010 PM10 Max lb/hr This is the emission rate released to the atmosphere and corresponds to 50% of that at the exhaust vent of the baghouse. Which Months: All Year

ARE 0012 PM10 Max lb/hr This is the emission rate released to the atmosphere and corresponds to 50% of that at the exhaust vent of the baghouse. Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant
Activity Number: PER20050002
Permit Number: 0200-00027-V1
Air - Title V Regular Permit Renewal

Which Months: All Year

This is the emission rate released to the atmosphere and corresponds to 50% of that at the exhaust vent of the baghouse.

Max (lb/hr)

PM10

ARE 0013

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant
 Activity Number: PER20050002
 Permit Number: 0200-00027-V1
 Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
ARE 0001 C1	Chromium VI (and compounds)		0.085	
	Formaldehyde		0.065	
	Methanol		0.576	
	Methyl ethyl ketone		4.194	
	Methyl isobutyl ketone		1.944	
	Phenol		0.954	
	Toluene		0.558	
	Xylene (mixed isomers)		0.018	
	n-butyl alcohol		5.463	
ARE 0002 C2	Chromium VI (and compounds)		0.061	
	Formaldehyde		0.108	
	Glycol ethers (Table 51.1)		1.332	
	Methanol		0.576	
	Methyl ethyl ketone		3.636	
	Methyl isobutyl ketone		1.836	
	Phenol		0.954	
	Toluene		1.656	
	Xylene (mixed isomers)		0.360	
ARE 0003 C3	Chromium VI (and compounds)		0.061	
	Formaldehyde		0.108	
	Glycol ethers (Table 51.1)		1.332	
	Methyl ethyl ketone		3.636	
	Methyl isobutyl ketone		1.836	
	Phenol		0.439	
	Toluene		1.656	
	Xylene (mixed isomers)		0.360	
	n-butyl alcohol		5.058	
ARE 0006 S3	Methyl ethyl ketone		6.710	
	Methyl isobutyl ketone		2.010	
	Toluene		2.170	
	n-butyl alcohol		4.995	
ARE 0007 X1	Ammonia		1.360	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant
Activity Number: PER20050002
Permit Number: 0200-00027-V1
Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
ARE 0007 X1	Glycol ethers (Table 51.3)		32.500	
ARE 0008 X2	Ammonia		0.210	
	Glycol ethers (Table 51.3)		5.100	
ARE 0009 X3	Ammonia		0.060	
	Glycol ethers (Table 51.3)		1.500	
ARE 0018 C1Alt	Chromium VI (and compounds)		0.085	
	Formaldehyde		0.648	
	Methanol		5.760	
	Methyl ethyl ketone		41.940	
	Methyl isobutyl ketone		19.440	
	Phenol		9.540	
	Toluene		5.580	
	Xylene (mixed isomers)		0.180	
	n-butyl alcohol		54.630	
ARE 0019 C2Alt	Chromium VI (and compounds)		0.061	
	Formaldehyde		1.080	
	Glycol ethers (Table 51.1)		13.320	
	Methanol		5.760	
	Methyl ethyl ketone		36.360	
	Methyl isobutyl ketone		18.360	
	Phenol		9.540	
	Toluene		16.560	
	Xylene (mixed isomers)		3.600	
ARE 0020 C3Alt	n-butyl alcohol		50.580	
	Chromium VI (and compounds)		0.061	
	Formaldehyde		1.080	
	Glycol ethers (Table 51.1)		13.320	
	Methyl ethyl ketone		36.360	
	Methyl isobutyl ketone		18.360	
	Phenol		4.392	
	Toluene		16.560	
	Xylene (mixed isomers)		3.600	
	n-butyl alcohol		50.580	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant****Activity Number: PER20050002****Permit Number: 0200-00027-V1****Air - Title V Regular Permit Renewal**

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
ARE 0021 S3All	Methyl ethyl ketone		67.100	
	Methyl isobutyl ketone		20.100	
	Toluene		21.700	
	n-butyl alcohol		49.950	
EQT 0016 RTO	Formaldehyde		0.130	
	Methanol		0.580	
	Methyl ethyl ketone		9.100	
	Methyl isobutyl ketone		6.150	
	Phenol		1.180	
	Toluene		3.030	
	Xylene (mixed isomers)		0.370	
	n-butyl alcohol		10.290	
EQT 0017 T2	Methyl ethyl ketone		1.384	
	Toluene		0.451	
EQT 0020 WWE	Methyl ethyl ketone	<0.001	<0.001	0.002
	Methyl isobutyl ketone	<0.001	<0.001	<0.001
GRP 0002 COATCAP	Ammonia	0.267		0.390
	Chromium VI (and compounds)	0.0081		0.0118
	Formaldehyde	0.204		0.298
	Glycol ethers (Table 51.1)	0.514		0.750
	Glycol ethers (Table 51.3)	6.479		9.460
	Methanol	0.045		0.066
	Methyl ethyl ketone	2.184		3.188
	Methyl isobutyl ketone	5.479		8.000
	Phenol	0.822		1.200
	Toluene	4.007		5.850
	Xylene (mixed isomers)	0.021		0.030
	n-butyl alcohol	5.175		7.556
UNF 0001 NO Varco - N Amelia	Ammonia			0.390
	Chromium VI (and compounds)			0.012
	Formaldehyde			0.298
	Glycol ethers (Table 51.1)			0.750
	Glycol ethers (Table 51.3)			9.460

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant

Activity Number: PER20050002

Permit Number: 0200-00027-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001 NO Varco - N Amelia	Methanol			0.066
	Methyl ethyl ketone			3.190
	Methyl isobutyl ketone			8.000
	Phenol			1.200
	Toluene			5.850
	Xylene (mixed isomers)			0.030
	n-butyl alcohol			7.556

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

Emission Rates Notes:

GRP 0002	Ammonia	Tons/Year	Represents a typical emitted TAP and its corresponding potential annual emissions within the facility's total TAPs Cap. Which Months: All Year
GRP 0002	Chromium VI (and compounds)	Avg lb/hr	Represents a typical emitted TAP and its corresponding potential annual emissions within the facility's total TAPs Cap
GRP 0002	Formaldehyde	Tons/Year	Which Months: All Year
GRP 0002	Glycol ethers (Table 51.1)	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
GRP 0002	Glycol ethers (Table 51.3)	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
GRP 0002	Methanol	Tons/Year	Represents a typical emitted TAP and its corresponding potential annual emissions within the facility's total TAPs Cap. Which Months: All Year
GRP 0002	Methyl ethyl ketone	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
GRP 0002	Methyl isobutyl ketone	Tons/Year	Represents a typical emitted TAP and its corresponding potential annual emissions within the facility's total TAPs Cap. Which Months: All Year
GRP 0002	Phenol	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
GRP 0002	Toluene	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
GRP 0002	Xylene (mixed isomers)	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
GRP 0002	n-butyl alcohol	Tons/Year	Represents a typical emitted TAP and its corresponding potential annual emissions within the facility's total TAPs Cap. Which Months: All Year
UNF 0001	Ammonia	Tons/Year	Represents a typical emitted TAP and its corresponding potential annual emissions within the facility's total TAPs Cap. Which Months: All Year
UNF 0001	Chromium VI (and compounds)	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
UNF 0001	Formaldehyde	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant****Activity Number: PER20050002****Permit Number: 0200-00027-V1****Air - Title V Regular Permit Renewal**

UNF 0001	Glycol ethers (Table 51.1)	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
UNF 0001	Glycol ethers (Table 51.3)	Tons/Year	Represents a typical emitted TAP and its corresponding potential annual emissions within the facility's total TAPs Cap. Which Months: All Year
UNF 0001	Methanol	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
UNF 0001	Methyl ethyl ketone	Tons/Year	Represents a typical emitted TAP and its corresponding potential annual emissions within the facility's total TAPs Cap. Which Months: All Year
UNF 0001	Methyl isobutyl ketone	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
UNF 0001	Phenol	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
UNF 0001	Toluene	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
UNF 0001	Xylene (mixed isomers)	Tons/Year	Represents a typical emitted HAP and its corresponding potential annual emissions within the facility's total HAPs Cap. Which Months: All Year
UNF 0001	n-butyl alcohol	Tons/Year	Represents a typical emitted TAP and its corresponding potential annual emissions within the facility's total TAPs Cap. Which Months: All Year

SPECIFIC REQUIREMENTS

AI ID: 4832 - National Orlitwell Varco LP - Amelia North Coating Plant
 Activity Number: PER20050002
 Permit Number: 0200-00027-V1
 Air - Title V Regular Permit Renewal

ARE 0006 S3 - General Solvent Use

Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ.

Determine the effectiveness of the capture system (i.e. capture efficiency) using the procedure specified in LAC 33:III.2123.E.6.

Determine compliance with LAC 33:III.2123.A, C, and D by applying the test methods specified in LAC 33:III.2123.E.1 through E.7 as appropriate.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years.

Comply with the requirements of LAC 33:III.2123 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2123 as a result of a revision of LAC 33:III.2123.

Emiss Class III TAP only. Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

CRG 0001 P134 - Powder Coating Stations P1, P3, and P4 Baghouses Reqs.

Group Members: ARE 0010ARE 0012ARE 0013

7 [LAC 33:III.1305]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

Particulate matter (10 microns or less) <= 0.025 gr/dscf.

Which Months: All Year Statistical Basis: None specified

Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified

Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified

CRG 0002 O-1568 - Ovens O1, O5, O6, O8, and Evaporators E1 and E2 Reqs.

Group Members: EQT 0009EQT 0013EQT 0014EQT 0015EQT 0021EQT 0022

SPECIFIC REQUIREMENTS

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant

Activity Number: PER20050002

Permit Number: 0200-00027-V1

Air - Title V Regular Permit Renewal

CRG 0002 O-1568 - Ovens 01, 05, 06, 08, and Evaporators E1 and E2 Reqs.

13 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

14 [LAC 33:III.1313.C] Which Months: All Year Statistical Basis: None specified Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).

15 [LAC 33:III.1327.A.1] Which Months: All Year Statistical Basis: None specified Do not use material derived from hazardous, toxic, medical, and/or municipal waste as abrasive material.

16 [LAC 33:III.1327.A.2] Particulate matter fines < 10 % by weight of the abrasive that would pass through a No. 80 sieve as documented by the supplier. If supplier documentation is not provided for weight percent of fines in abrasive material, take samples according to ASTM standard ASTM D 75-87, reapproved 1992, before initial use.

Which Months: All Year Statistical Basis: None specified Do not reuse abrasives for abrasive blasting unless they meet the requirements of LAC 33:III.1327.A.2.

17 [LAC 33:III.1327.A.3] Fully enclose the item, or surround the structure, to be blasted.

18 [LAC 33:III.1329.A.1] Re-circulate blast cabinet exhaust to the cabinet or vent to emission control equipment.

19 [LAC 33:III.1329.B] Exhaust the collection system through effective control equipment with a particulate matter outlet grain loading of 0.05 gr/dscf or less, as documented by the control equipment manufacturer or demonstrated by performance testing.

20 [LAC 33:III.1329.D] Ensure that abrasive blasting activities do not create a nuisance.

Maintain stockpiles of new and/or spent abrasive material in a manner that will minimize fugitive airborne emissions.

21 [LAC 33:III.1329.F] Use and diligently maintain all emission control equipment in proper working order according to the manufacturer's specifications whenever any emissions are being generated that can be controlled by the facility, even if the ambient air quality standard in affected areas are not exceeded.

22 [LAC 33:III.1329.G] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.1333.A.1 through A.7 on the facility premises at all times. Present them to an authorized representative of DEQ upon request.

23 [LAC 33:III.1329.H] Maintain records on a 36 month rolling basis.

24 [LAC 33:III.1333] Particulate matter (10 microns or less) <= 0.025 gr/dscf.

25 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

26 [LAC 33:III.507.H.1.a] Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

SPECIFIC REQUIREMENTS

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant
Activity Number: PER20050002
Permit Number: 0200-00027-V1
Air - Title V Regular Permit Renewal

CRG 0003 B1-5 - Blasting Stations Baghouses

28 [LAC 33:III.507.H.1.a]

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified

Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified

CRG 0004 S12-JS1-4 - Cleaning/Degreasing Reqs

Group Member: ARE 0004 ARE 0005 ARE 0014 ARE 0015 ARE 0016 ARE 0017

30 [LAC 33:III.2123.E]

Determine compliance with LAC 33:III.2123.A, C, and D by applying the test methods specified in LAC 33:III.2123.E.1 through E.7, as appropriate.

31 [LAC 33:III.2123.F]

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years.

CRG 0006 C1-3 - Coating Stations Reqs

Group Member: ARE 0001 ARE 0002 ARE 0003

32 [LAC 33:III.2123.D.1]

Determine the effectiveness of the capture system (i.e. capture efficiency) using the procedure specified in LAC 33:III.2123.E.6. Determine compliance with LAC 33:III.2123.A, C, and D by applying the test methods specified in LAC 33:III.2123.E.1 through E.6, as appropriate.

33 [LAC 33:III.2123.E]

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. Each coating line (C1, C2, and C3) pre-controlled VOC, Total < 100 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the pre-controlled VOC total emissions for each coating line exceeds the maximum listed in this specific condition for any twelve consecutive month period.

34 [LAC 33:III.2123.F]

Which Months: All Year Statistical Basis: 12-month rolling sum Pre-controlled VOC, Total monitored by technically sound method upon occurrence of event for each coating line (C1, C2, or C3).

35 [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified VOC, Total recordkeeping by electronic or hard copy monthly. Keep records of the total precontrolled VOC emissions of the each coating line (C1, C2, and C3) pre-controlled each month, as well as the total precontrolled VOC emissions of each coating line for the last twelve months. Retain these records and supporting calculations at the source, or at an alternate location approved by DEQ, for five years. Make these records available for inspection by EPA and DEQ personnel. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

SPECIFIC REQUIREMENTS

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant
 Activity Number: PER20050002
 Permit Number: 0200-00027-V1
Air - Title V Regular Permit Renewal

CRG 0006 C1-3 - Coating Stations Reqs

39 [LAC 33:III.5109.A.1]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be routing the emissions to a regenerative thermal oxidizer (RTO) and/or use of compliant materials as specified in LAC 33:III.2123.C.11.

CRG 0007 X1-3 - Exterior, Internal, External Coating Reqs

Group Members: ARE 0007 ARE 0008 ARE 0009

- 40 [LAC 33:III.2123.C] VOC emissions of coating as applied (minus water and exempt solvent) shall not exceed the appropriate limit of VOC content per gallon of coating.
 Determine compliance with LAC 33:III.2123.A, C, and D by applying the test methods specified in LAC 33:III.2123.E.1 through E.7 as appropriate.
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years.
 Comply with the requirements of LAC 33:III.2123 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2123 as a result of a revision of LAC 33:III.2123.
 Emits Class III TAP only. Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

CRG 0008 Alt O-234 - Ovens O2 Alt, O3 Alt, and O4 Alt, Reqs.

Group Members: EQT 0023 EQT 0024 EQT 0025

- 45 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified

EQT 0016 RTO - Thermal Oxidizer

- 47 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 4832 - National Orlwell Varco LP - Amelia North Coating Plant
Activity Number: PER20050002
Permit Number: 0200-00027-V1
Air - Title V Regular Permit Renewal

EQT 0016 RTO - Thermal Oxidizer

- VOC, Total $\geq 95\%$ control efficiency of the captured VOC.
 Which Months: All Year Statistical Basis: None specified
 Determine compliance with LAC 33:III.2|23.A, C, and D by applying the test methods specified in LAC 33:III.2|23.E.1 through E.7, as appropriate.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2|23.F.1 through F.4 to verify exemption from LAC 33:III.2|23. Maintain records for at least two years.
- Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
- Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity (the maximum amount of liquid paint and solvent use the emissions of which are routed to the oxidizer). Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.91.3, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

EQT 0017 T2 - Solvent/TK-Wash Tank

- Equip with a submerged fill pipe.
 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2|103.H.3-a-e.
 Emits Class III TAP only. Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

EQT 0018 T3 - Naphtha/Mineral Spirits Tank

- Equip with a submerged fill pipe.
 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2|103.H.3-a-e.

SPECIFIC REQUIREMENTS

AI ID: 4832 - National Oilwell Varco LP - Amella North Coating Plant
Activity Number: PER20050002
Permit Number: 0200-00027-V1
Air - Title V Regular Permit Renewal

EQT 0019 T4 - Gasoline Tank

- 61 [LAC 33:III.2103.A] Equip with a submerged fill pipe.
 62 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.

EQT 0020 WVE - Waste Water Evaporator

- 63 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify exemption from LAC 33:III.2123. Maintain records for at least two years.
 Emits Class III TAP only. Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

GRP 0001 BLASTCAP - Emission Cap for Blasting (B1- B5)

Group Members: EQT 0004 EQT 0005 EQT 0006 EQT 0007 EQT 0008

- The five blast cabinets' maximum Operating time <= 30000 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the five blast cabinets' maximum operating hours exceeds the maximum listed in this specific condition for any twelve consecutive month period.
 Which Months: All Year Statistical Basis: 12-month rolling sum
 Operating time recordkeeping by electronic or hard copy upon occurrence of event. Keep records of the total operating hours of the blast cabinets each month, as well as the total operating hours of the blast cabinets for the last twelve months. Retain these records and supporting calculations at the source, or at an alternate location approved by DEQ, for five years. Make records available for inspection by DEQ personnel.
 The blast cabinets Operating time monitored by technically sound method continuously.
 Which Months: All Year Statistical Basis: None specified

GRP 0002 COATCAP - Emission (VOC) Cap for Surface Coating Emissions Cap (C1-C3; X1-X3; S1-S3; RTO)

Group Members: ARE 0001 ARE 0002 ARE 0003 ARE 0004 ARE 0005 ARE 0006 ARE 0007 ARE 0008 ARE 0009 EQT 0016 EQT 0017 SCN 0001

- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years.

SPECIFIC REQUIREMENTS

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant
Activity Number: PER20050002
Permit Number: 0200-00027-V1
Air - Title V Regular Permit Renewal

GRP 0002 COATCAP - Emission (VOC) Cap for Surface Coating Emissions Cap (C1-C3; X1-X3; S1-S3; RTO)

71 [LAC 33:III.507.H.1.a] Usage of Paint, Non-Organic, and Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the total amounts of paints and solvents used and the totals of the corresponding speciated emissions each month, as well as the total amounts of paints and solvents used and the totals of the corresponding speciated emissions. Retain these records and supporting calculations at the source, or at an alternate location approved by DEQ, for five years. Make these records available for inspection by EPA and DEQ personnel.

72 [LAC 33:III.507.H.1.a] Usage of Paint, Non-Organic, and Organic solvent monitored by technically sound method weekly.

Which Months: All Year Statistical Basis: None specified

The total emissions of volatile organic compounds (VOCs), individual toxic air pollutants (TAP), the combined hazardous air pollutants (HAP) and the combined total of all Toxic air pollutants (TAP)/Hazardous air pollutants (HAP) from the entire facility (Amelia North Coating Plant) shall not exceed 124.75 tons, 9.46 tons, 8.00 tons, and 15.00 tons, respectively, during any twelve consecutive month period.

Calculate the speciated emissions (Individual VOCs, HAP, and TAPs), based on the actual paint/solvent usage, using the same method used in estimating the emissions in the application (MSDS, mass balance, emission factors, test results, verifiable add-on control efficiencies, or the latest approved methods, etc.)

Noncompliance with any of these limitations is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if any of these annual emissions totals exceeds the corresponding maximum listed in this specific condition for twelve consecutive month period. Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total solvent usage each month and the totals of the corresponding speciated emissions, as well as the total solvent usage and the totals of the corresponding speciated emissions for the last twelve months.

Make records available for inspection by EPA and DEQ personnel. Retain these records and supporting calculations at the source, or at an alternate location approved by DEQ, for five years. Make records available for inspection by EPA and DEQ personnel.

GRP 0003 POWCAP - Emission CAP for Powder Coating P1, P3 and P4

Group Members: ARE 0010 ARE 0012 ARE 0013

74 [LAC 33:III.501.C.6] Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total powder paint usage at this facility each month, as well as the total powder paint usage at this facility for the last twelve months. Retain these records and supporting calculations at the source, or at an alternate location approved by DEQ, for five years. Make records available for inspection by DEQ personnel.

75 [LAC 33:III.501.C.6] Throughput monitored by technically sound method monthly.

Which Months: All Year Statistical Basis: None specified
Maximum total usage of Powder Paint at the facility or Throughput <= 240567 lb/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total powder paint usage at this facility exceeds the maximum listed in this specific condition for any twelve consecutive month period.
Which Months: All Year Statistical Basis: 12-month rolling sum

SPECIFIC REQUIREMENTS

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant
 Activity Number: PER20050002
 Permit Number: 0200-000027-V1
 Air - Title V Regular Permit Renewal

SCN 0001 Alt-1 - Coating and cleaning during the RTO down time

Group Members: ARE 0018 ARE 0019 ARE 0020 ARE 0021 EQT 0023 EQT 0024 EQT 0025

- 77 [LAC 33:III.2123.C.11.b] Permittee shall, during repairs and/or maintenance activities for the thermal oxidizer, use only coating and cleaning materials compliant with the applicable limits as specified in LAC 33:III.2123.C. **11**.
 Determine compliance with LAC 33:III.2123.A, C, and D by applying the test methods specified in LAC 33:III.2123.E.1 through E.7, as appropriate.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years.
- Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of the down time of the regenerative thermal oxidizer (RTO), the total paint/solvent usage, as well as the corresponding total emissions of volatile organic compounds (VOCs), individual toxic air pollutants (TAP), the combined hazardous air pollutants (HAP), and the combined total of all Toxic air pollutants (TAP)/Hazardous air pollutants (HAP) from the coating activities at Amelia North Coating Plant for the duration of the RTO down time. These emissions (VOCs, HAP, and TAPs) shall be speciated and calculated, based on the actual solvent/paint usage, using the same method used in estimating the emissions in the application (MSDS, mass balance, emission factors, verifiable add-on control efficiencies, or the latest approved methods, etc.). Make records available for inspection by EPA and DEQ personnel. Retain these records and supporting calculations at the source, or at an alternate location approved by DEQ, for five years. Make records available for inspection by EPA and DEQ personnel.
- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be use of coating and cleaning materials compliant with the applicable limits as specified in LAC 33:III.2123.C.11.

UNF 0001 NO Varco - N Amelia - National Oilwell Varco - North Amelia Coating Plant

- 82 [40 CFR 63.11173(e)(1)] Ensure that all painters are certified that they have completed training in the proper spray application of surface coatings and the proper setup and maintenance of spray equipment, as specified in 40 CFR 63.11173(f). Subpart HHHHHH. [40 CFR 63.11173(e)(1)], Phases: Phase I
 Phases: Phase I
- 83 [40 CFR 63.11173(e)(2)(i)] Ensure that all spray booths, preparation stations, and mobile enclosures are fitted with a type of filter technology that is demonstrated to achieve at least 98% capture of paint overspray. Subpart HHHHHH. [40 CFR 63.11173(e)(2)(i)], Phases: Phase I
 Phases: Phase I
- 84 [40 CFR 63.11173(e)(2)(iii)] Ensure that spray booths and preparation stations that are used to coat miscellaneous parts and products or vehicle subassemblies have a full roof, at least three complete walls or complete side curtains, and must be ventilated so that air is drawn into the booth. Subpart HHHHHH. [40 CFR 63.11173(e)(2)(iii)], Phases: Phase I
 Phases: Phase I
- 85 [40 CFR 63.11173(e)(3)] Apply all spray-applied coatings with a high volume, low pressure (HVLP) spray gun, electrostatic application, airless spray gun, air-assisted airless spray gun, or an equivalent technology that is demonstrated by the spray gun manufacturer to achieve transfer efficiency comparable to one of the spray gun technologies listed above for a comparable operation, and for which written approval has been obtained from DEQ. Subpart HHHHHH. [40 CFR 63.11173(e)(3)], Phases: Phase I
 Phases: Phase I

SPECIFIC REQUIREMENTS

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant
Activity Number: PER20050002
Permit Number: 0200-00027-V1
Air - Title V Regular Permit Renewal

UNF 0001 NO Varco - N Amelia - National Oilwell Varco - North Amelia Coating Plant

- 86 [40 CFR 63.11173(e)(4)] Conduct all paint spray gun cleaning so that an atomized mist or spray of gun cleaning solvent and paint residue is not created outside of a container that collects used gun cleaning solvent. Subpart HHHHHH. [40 CFR 63.11173(e)(4)], Phases: Phase I
 Phases: Phase I
- 87 [40 CFR 63.11173(g)(2)] Ensure that all personnel are trained and certified no later than 180 days after hiring or no later than January 10, 2011, whichever is later.
 Subpart HHHHHH. [40 CFR 63.11173(g)(2)]
- 88 [40 CFR 63.11173(g)(3)] Ensure that all personnel receive refresher training that meets the requirements of 40 CFR 63.11173 and are re-certified every five years.
 Subpart HHHHHH. [40 CFR 63.11173(g)(3)]
- 89 [40 CFR 63.11176(a)] Submit Notification of Changes Report. Due annually prior to March 1, if information previously submitted in either the initial notification required by 40 CFR 63.11175(a), Notification of Compliance, or a previous annual notification of changes report submitted under 40 CFR 63.11176(a), has changed. Include the information specified in 40 CFR 63.11176(a)(1) and (a)(2). Subpart HHHHHH. [40 CFR 63.11176(a)], Phases: Phase I
 Phases: Phase I
- 90 [40 CFR 63.11177] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.11177(a) through (d) and (g) and (h). Subpart HHHHHH.
 Phases: Phase I
- 91 [40 CFR 63.11178] Maintain copies of the records specified in 40 CFR 63.11177 for a period of at least five years after the date of each record. Keep copies of records on site and in a printed or electronic form that is readily accessible for inspection for at least the first two years after their date. After the two year period records may be kept off-site. Subpart HHHHHH. , Phases: Phase I
 Phases: Phase I
- 92 [40 CFR 63.] Sources are only required to submit an annual report to LDEQ if any information in the initial notification, notification of compliance status report, or in a previous annual report has changed in the previous calendar year. If an annual report is needed, it must be submitted no later than 60 days after the yearly anniversary of the compliance date.
 All sources must keep records sufficient to demonstrate that they are in compliance at all times. These include the following:
 (1) Records that each spray painter has completed the training, with the date of the initial training and the most recent refresher training.
 (2) Documentation of the filter efficiency of any spray booth exhaust filter material, such as data from the filter manufacturer.
 (3) Documentation from the spray gun manufacturer that each spray gun that does not meet the definition of an HVLP spray gun, electrostatic spray gun, airless spray gun, or air-assisted airless spray gun has been demonstrated to achieve a transfer efficiency equal to one of the other allowed types of spray gun.
 (4) Copies of any notifications or reports that were submitted.
 (5) Records of any deviation from the requirements in the final rule, including the date and time period of the deviation, and a description of the nature of the deviation and the actions taken to correct the deviation.
 (6) Records of any assessments of source compliance performed in support of the initial notification, notification of compliance status, or annual notification of changes report.

SPECIFIC REQUIREMENTS

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant
 Activity Number: PER20050002
 Permit Number: 0200-00027-V1
 Air - Title V Regular Permit Renewal

UNF 0001 NO Varco - N Amelia - National Oilwell Varco - North Amelia Coating Plant

Affected existing sources must submit an initial notification to LDEQ with a copy sent to EPA no later than one year before the compliance effective date of January 10, 2011. The initial notification (by January 10, 2010) will also serve as a notification on whether the source is already in compliance or that it will be brought into compliance by January 10, 2011.

Additionally, all existing sources that did not state **in** their initial notification that they were already in compliance with the management practices and equipment requirements prescribed in the final rule must also submit a notification of compliance status. The notification of compliance status must be submitted no later than 60 days after the compliance date for existing sources. The notification of compliance status must certify that the source is in compliance with the applicable requirements for the activities being performed.

The initial notification must include the following information:

- (1) The name, address, phone number and e-mail address (if available) of the owner and operator.
- (2) The address (physical location) of the affected source. If the source is a motor vehicle or mobile equipment surface coating operation that repairs vehicles at the customer's location, rather than at a fixed collision repair shop, the notification should state this and indicate the physical location where records are kept to demonstrate compliance.

(3) A statement that the source is subject to this standard, 40 CFR part 63, subpart HHHHHH.

(4) A brief description of the type of operation, including which types of activities are performed at the source (miscellaneous surface coating, motor vehicle and mobile equipment surface coating, or paint stripping). For surface coating operations, identify the number of spray booths and the number of painters usually employed at the operation. For paint stripping, identify the method(s) of paint stripping employed (e.g., chemical, mechanical) and the substrates stripped (e.g., wood, plastic, metal).

All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 1 of 40 CFR 63 Subpart HHHHHH. , Phases: Phase I
 Phases: Phase I

93 [40 CFR 63.]

95 [40 CFR 70.5(a)(1)(iii)]
 96 [40 CFR 70.6(a)(3)(iii)(A)]

97 [40 CFR 70.6(a)(3)(iii)(B)]

98 [40 CFR 70.6(c)(5)(iv)]

Submit Title V permit application for renewal: Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]
 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

SPECIFIC REQUIREMENTS

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant
Activity Number: PER20050002
Permit Number: 0200-00027-V1
Air - Title V Regular Permit Renewal

UNF 0001 NO Varco - N Amelia - National Oilwell Varco - North Amelia Coating Plant

- 99 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 100 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 101 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
- 102 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 103 [LAC 33:III.2123.F] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify exemption from LAC 33:III.2123. Maintain records for at least two years.
- 104 [LAC 33:III.2123.H] Comply with the requirements of LAC 33:III.2123 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2123 as a result of a revision of LAC 33:III.2123.
- 105 [LAC 33:III.2123.I] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 106 [LAC 33:III.2901.D] Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
- 107 [LAC 33:III.2901.F] If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
- 108 [LAC 33:III.501.C.6] The total emissions at the contiguous facilities (Amelia North Coating Plant and Amelia Pipe Coating Plant South) of all HAP \leq 24.93 tons. These emissions shall be calculated by the same method(s) used in the application for calculating the initial estimates or the latest approved suitable methods (using measurable parameters, such as materials throughputs, fuel consumption, feed rates, mass balance, emission factors, test results, etc., and incorporating the reduction efficiencies of used control systems, if any). Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total HAP emissions from the contiguous facilities exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- 109 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Twelve-consecutive-month maximum The combined total emissions of Toxic air pollutants (TAP) \leq 15,000 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total toxic air pollutants (HAPs) from Amelia North Coating Plant exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- 110 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: 12-month rolling sum The combined total emissions of hazardous air pollutants HAP \leq 8,000 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the combined total hazardous air pollutants (HAPs) from Amelia North Coating Plant exceeds the maximum listed in this specific condition for any twelve consecutive month period.

SPECIFIC REQUIREMENTS

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant
 Activity Number: PER20050002
 Permit Number: 0200-00027-V1
 Air - Title V Regular Permit Renewal

UNF 0001 NO Varco - N Amelia - National Oilwell Varco - North Amelia Coating Plant

- 111 [LAC 33:III.501.C.6] Submit report: Due annually, by the 31st of March. Report the total emissions of each individual HAP, as well as the total emissions of all HAPs from the contiguous (Amelia North Coating Plant and the Amelia Pipe Coating Plant South) facilities for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
- 112 [LAC 33:III.501.C.6] Use of any material containing a TAP listed in Tables 51.1, 51.2, or 51.3 of LAC 33:III.5112 shall be permitted provided that its use does not cause the total annual emissions of individual HAP, and combined emissions TAPs to exceed 8,000 tons/yr, and 15,000 tons/yr, respectively. Total emission of any TAP for which this permit does not list a facility-wide total shall be limited, during any twelve consecutive month period, to the Minimum Emission Rate (MER) for that TAP as listed in Table 51.1 of LAC 33:III.5112. These emissions shall be calculated by the same methods initially used in estimating these emissions, or using the latest approved suitable methods (mass balance, MSDS sheets, emission factors, test results, etc.). Noncompliance with any of these limitations is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if any of the annual total TAPs exceeds the corresponding maximum listed in this specific condition for any twelve consecutive month-period.
- 113 [LAC 33:III.507.G.5] Alternate Operating Scenario: Operating plan recordkeeping by logbook upon each occurrence of making a change from one operating scenario to another. Record the operating scenario under which the facility is currently operating. Include in this record the identity of the sources involved, the permit number under which the scenario is included, and the date of change. Keep a copy of the log on site for at least two years.
- 114 [LAC 33:III.507.H.1.a] Usage of Paint, Non- Organic, and Organic solvent recordkeeping by electronic or hard copy monthly. Keep records of the total amounts of paints and solvents used and the totals of the corresponding speciated emissions. Retain these records and supporting calculations at the source, or at an alternate location approved by DEQ, for five years. Make these records available for inspection by EPA and DEQ personnel.
- 115 [LAC 33:III.507.H.1.a] Usage of Paint, Non-Organic, and Organic solvent monitored by technically sound method monthly.
- 116 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: None specified HAP recordkeeping by electronic or hard copy monthly. Keep records of the combined total emissions of an individual HAP from the contiguous facilities (Amelia North Coating Plant and Amelia Pipe Coating Plant South) each month, as well as the combined total emissions of an individual HAP from the contiguous facilities (Amelia North Coating Plant and Amelia Pipe Coating Plant South) for the last twelve months. Retain these records and supporting calculations at the source, or at an alternate location approved by DEQ, for five years. Make records available for inspection by EPA and DEQ personnel.
- 117 [LAC 33:III.507.H.1.a] HAP of the used coating and Solvent content monitored by technically sound method monthly.
- 118 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: None specified HAP recordkeeping by electronic or hard copy monthly. Keep records of the total hazardous air pollutants (HAPs) emitted from Amelia North Coating Plant each month, as well as the total hazardous air pollutants (HAPs) emitted from Amelia North Coating Plant for the last twelve months. Make records available for inspection by DEQ personnel.

SPECIFIC REQUIREMENTS

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant
Activity Number: PER20050002
Permit Number: 0200-00027-V1
Air - Title V Regular Permit Renewal

UNF 0001 NO Varco - N Amelia - National Oilwell Varco - North Amelia Coating Plant

119 [LAC 33:III.507.H.1.a]

The combined total emissions from the contiguous facilities (Amelia North Coating Plant and Amelia Pipe Coating Plant South) of an individual HAP <= 10 tons/yr. These emissions shall be calculated by the same method(s) used in the application for calculating the initial estimates or the latest approved suitable methods (using measurable parameters, such as materials throughputs, fuel consumption, feed rates, mass balance, emission factors, test results, etc., and incorporating the reduction efficiencies of used control systems, if any). Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the combined total emissions, at both Amelia North Coating Plant and Amelia Pipe Coating Plant South facilities, of an individual exceeds the maximum listed in this specific condition for any twelve consecutive month period.

120 [LAC 33:III.507.H.1.a]

Which Month: All Year Statistical Basis: 12-month rolling sum
 HAP recordkeeping by electronic or hard copy monthly. Keep records of the total HAP emissions from the contiguous facilities (Amelia North Coating Plant and Amelia Pipe Coating Plant South) each month, as well as the total HAP emissions from the contiguous facilities (Amelia North Coating Plant and Amelia Pipe Coating Plant South) for the last twelve months. Retain these records and supporting calculations at the source, or at an alternate location approved by DEQ, for five years. Make records available for inspection by EPA and DEQ personnel.

121 [LAC 33:III.507.H.1.a]

Toxic air pollutants (TAP) recordkeeping by electronic or hard copy monthly. Keep records of the total toxic air pollutants (TAPs) emitted from Amelia North Coating Plant each month, as well as total toxic air pollutants (TAPs) emitted from Amelia North Coating Plant for the last twelve months. Make records available for inspection by DEQ personnel.
 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:II Chapter 51.Subchapter A, after the effective date of the standard.
 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.B.

122 [LAC 33:III.5105.A.1]

Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.

123 [LAC 33:III.5105.A.2]

Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.

124 [LAC 33:III.5105.A.3]

Submit Annual Emissions Report: Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.

125 [LAC 33:III.5105.A.4]

Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).

126 [LAC 33:III.5107.A.2]

Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.

127 [LAC 33:III.5107.A.]

Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.

SPECIFIC REQUIREMENTS

AI ID: 4832 - National Oilwell Varco LP - Amelia North Coating Plant
 Activity Number: PER20050002
 Permit Number: 0200-00027-V1
 Air - Title V Regular Permit Renewal

UNF 0001 NO Varco - N Amelia - National Oilwell Varco - North Amelia Coating Plant

- 131 [LAC 33:III.535] Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537.
 [LAC 33:III.535, LAC 33:III.537]
- 132 [LAC 33:III.5611.A] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority.
- 133 [LAC 33:III.5611.B] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency..make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- 134 [LAC 33:III.919.D] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.